IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re	the Application of)
KACZUN et al.) Art Unit: Unknown
) Examiner: Unassigned
Seria	I No.: TO BE ASSIGNED))
Filed:	Herewith))
For:	PHOTOSENSITIVE FLEXOGRAPHIC PRINTING ELEMENT HAVING AT LEAST TWO IR-ABALATIVE LAYERS	
Honorable Commissioner of		

Washington, D.C. 20231 PRELIMINARY AMENDMENT

Sir:

Prior to initial examination of the above-identified application, kindly amend the application as follows.

IN THE CLAIMS

Patents and Trademarks

Claim 4, line 2, change "one of claims 1 to 3" to --claim 1--.

Claim 5, line 2, change "one of claims 1 to 4" to --claim 1--.

Claim 6, line 2, change "one of claims 1 to 5" to --claim 1--.

Claim 7, lines 3 and 4, change "one of claims 1-6" to --claim 1--.

REMARKS

The claims have been amended to eliminate multiple dependency and to place them in better form for U.S. practice. Favorable action on the application is solicited.

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Please charge any shortage in fees due in connection with the filing of this paper, to Deposit Account No. 11-0345. Please credit any excess fees to such deposit account.

Respectfully submitted,

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COPY OF ALL CLAIMS PENDING

- A photosensitive flexographic printing element for the production of flexographic printing plates for digital imaging by means of lasers, comprising at least
 - a dimensionally stable support,
 - at least one photopolymerizable layer, at least comprising an elastomeric binder, a polymerizable compound and a photoinitiator or photoinitiator system,
 - at least two laser-ablatable layers A and B, each comprising at least one binder and also an IR absorber for laser radiation, and
 - optionally a removable, flexible protective film

wherein the at least one binder of layer A is an elastomeric binder and the at least one binder of layer B is a self-decomposing binder, and the optical density of the entire layer sequence of IR-ablative layers in the actinic spectral region is at least 2.5.

- 2. A photosensitive flexographic printing element as claimed in claim 1, wherein the self-decomposing binder of layer B contains nitro or nitrate ester groups.
- 3. A photosensitive flexographic printing element as claimed in claim 2, wherein the binder containing the nitro and/or nitrate ester groups is a cellulose or cellulose ether nitrate ester.
- 4. A photosensitive flexographic printing element as claimed in claim 1, wherein the elastomeric binder is a binder comprising diene units.
- 5. A photosensitive flexographic printing element as claimed in claim 1, wherein the IR absorber is carbon black.
- 6. A photosensitive flexographic printing element as claimed in claim 1, wherein the flexographic printing element has further IR-ablative layers.
- 7. A process for the production of a flexographic printing plate in which the starting material employed is a photosensitive flexographic printing element as claimed in claim 1, comprising the following steps:
 - (a) removal of the removable, flexible protective film, if present,
 - (b) writing of a mask into the layer system comprising IR-ablative layers by means of an IR laser.
 - (c) full area exposure of the photosensitive element to actinic light through the mask formed in step (b),

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(d) treatment of the intermediate formed in (c) with at least one developer solution, during which the residues of the IR-ablative layers which have not been removed in step (b) are removed and the exposed photopolymerizable layer is developed.

8. A process as claimed in claim 7, wherein step (b) is carried out using a laser apparatus having a rotating drum, and the flexographic printing element is mounted on this drum for ablation.

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